

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John David Reilly on June 16, 2009.

In the claims:

Claim 61 (Amended): The method of claim ~~40~~ 60, wherein the Class IIx mannosidase enzyme has a substrate specificity for Man $\alpha$ 1,3 (Man $\alpha$ 1,6 Man $\alpha$ 1,6) Man $\beta$ 1,4-GlcNAc  $\beta$ 1,4-GlcNAc-Asn; Man $\alpha$ 1,3 (Man $\alpha$ 1,3 Man $\alpha$  1,6) Man  $\beta$ 1,4-GlcNAc  $\beta$ 1,4-GlcNAc-Asn; or Man $\alpha$ 1,2 Man $\alpha$ 1,3 (Man $\alpha$ 1,3 Man $\alpha$ 1,6 Man $\alpha$ 1,6) Man $\beta$ 1,4-GlcNAc  $\beta$ 1,4-GlcNAc-Asn.

Claim 62 (Amended): The method of claim ~~4~~ or 2 59, wherein the chimeric mannosidase enzyme comprises a Class III mannosidase catalytic domain fused to a cellular targeting signal peptide that targets the chimeric mannosidase to the secretory pathway of the host cell.

Claim 63 (Amended) : The method of claim ~~42~~ 62, wherein the Class III mannosidase enzyme has a substrate specificity for Man $\alpha$ 1,3 (Man $\alpha$ 1,6 Man $\alpha$ 1,6) Man $\beta$ 1,4-GlcNAc  $\beta$ 1,4-GlcNAc-Asn; Man $\alpha$ 1,3 (Man $\alpha$ 1,3 Man $\alpha$  1,6) Man  $\beta$ 1,4-GlcNAc  $\beta$ 1,4-GlcNAc-Asn; or Man $\alpha$ 1,3 (Man $\alpha$ 1,3 Man $\alpha$ 1,6 Man $\alpha$ 1,6) Man $\beta$ 1,4-GlcNAc  $\beta$ 1,4-GlcNAc-Asn; or high mannans.[.]

Claim 64 (Amended) : The method of claim ~~4~~ or 2 59, wherein the yeast host cell is selected from the group consisting of *Pichia pastoris*, *Pichia finlandica*, *Pichia rehalophila*, *Pichia koclamae*, *Pichia membranaefaciens*, *Pichia opuntiae*, *Pichia thermotolerans*, *Pichia salictaria*, *Pichia guercuum*, *Pichia pijperi*, *Pichia stiptis*, *Pichia methanolica*, *Pichia sp.*, *Saccharomyces cerevisiae*, *Saccharomyces sp.*, *Hansenula polymorpha*, *Kluyveromyces sp.*, *Kluyveromyces lactis*, and *Candida albicans*.[.]

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHELE K. JOIKE whose telephone number is (571)272-5915. The examiner can normally be reached on M-F, 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Low can be reached on (571)272-0951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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